

ABSTRACT

The present invention relates to a controlling method and a controlling apparatus wherein, in a microscopic flow passage such as a micro flow passage or a nano flow passage, an inhalation of a sample microscopic fluid and a flow amount control and a quantity amount control of the sample microscopic fluid can be carried out. A driving microscopic fluid, which is putted into the microscopic flow passage such as the micro flow passage or the nano flow passage and reacts to an electric field or a magnetic field, is moved by changing the electric field or the magnetic field from an outer side and by positioning it, thereby the inhalation and the flow amount of the sample microscopic fluid is controlled.